

# SEQUENCE LISTING

<110> Roth, Monica

Bupp, Keith

<120> Targeting Viral Vectors to Specific Cells

<130> 601-1-095N

<140> not yet assigned

<141> 2001-06-13

<160> 27

<170> PatentIn version 3.0

<210> 1

<211> 65

<212> PRT

<213> moloney murine leukemia virus

<400> 1

His Gly Pro Ser Tyr Trp Gly Leu Glu Tyr Gln Ser Pro Phe Ser Ser  
1 5 10 15

Pro Pro Gly Pro Pro Cys Cys Ser Gly Gly Ser Ser Pro Gly Cys Ser  
20 25 30

Arg Asp Cys Glu Glu Pro Leu Thr Ser Leu Thr Pro Arg Cys Asn Thr  
35 40 45

Ala Trp Asn Arg Leu Lys Leu Asp Gln Thr Thr His Lys Ser Asn Glu  
50 55 60

Gly  
65

<210> 2

<211> 11

<212> PRT

<213> moloney murine leukemia virus

<400> 2

Ser Asp Gln Ala Val Gln Val Cys Lys Asp Asn  
1 5 10

<210> 3

<211> 9

<212> PRT

<213> moloney murine leukemia virus

<400> 3

Pro His Arg Pro Arg Glu Ser Lys Ser  
1 5

<210> 4

<211> 29

<212> PRT

<213> amphotropic murine leukemia virus

<400> 4

Glu Glu Trp Asp Pro Ser Asp Gln Glu Pro Tyr Val Gly Tyr Gly Cys  
1 5 10 15

Lys Tyr Pro Ala Gly Arg Gln Arg Thr Arg Thr Phe Asp  
20 25

<210> 5

<211> 30

<212> PRT

<213> amphotropic murine leukemia virus

<400> 5

Pro Trp Asp Thr Gly Cys Ser Lys Val Ala Cys Gly Pro Cys Tyr Asp  
1 5 10 15

Leu Ser Lys Val Ser Asn Ser Phe Gln Gly Ala Thr Arg Gly  
20 25 30

<210> 6

<211> 6

<212> PRT

<213> amphotropic murine leukemia virus

<400> 6

His Thr Val Lys Ser Gly

1 5

<210> 7

<211> 39

<212> PRT

<213> Feline leukemia virus

<400> 7

Asp Thr Trp Glu Pro Ile Val Leu Asn Pro Thr Asn Val Lys His Gly

1 5 10 15

Ala Arg Tyr Ser Ser Ser Lys Tyr Gly Cys Lys Thr Thr Asp Arg Lys

20 25 30

Lys Gln Gln Gln Thr Tyr Pro

35

<210> 8

<211> 6

<212> PRT

<213> Feline Leukemia Virus

<400> 8

Gln Asp Asn Ser Cys Glu

1 5

<210> 9

<211> 11

<212> PRT

<213> Feline Leukemia Virus

<400> 9

His Ala Pro Ser Leu Gly Pro Lys Gly Thr His

1 5 10

<210> 10

<211> 21

<212> PRT

<213> Rat Leukemia Virus

<400> 10

Asp Ser Trp Glu His Thr Glu Arg Thr Pro His Asn Ser Tyr Pro Pro  
1 5 10 15

Cys Arg His Ser Asp  
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<210> 11  
<211> 6  
<212> PRT  
<213> Rat Leukemia Virus

<400> 11

Gly Lys Arg Thr Arg Glu  
1 5

<210> 12  
<211> 24  
<212> PRT  
<213> Feline Leukemia Virus

<400> 12

Trp Glu Pro Ile Val Leu Asp Pro Thr Asn Val Lys His Gly Ala Arg  
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Tyr Pro Ser Ser Lys Tyr Gly Cys  
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<210> 13  
<211> 21  
<212> PRT  
<213> Feline Leukemia Virus

<400> 13

Trp Glu Pro Met Ala Pro Asp Pro Arg Ser Trp Ala Arg Tyr Ser Ser  
1 5 10 15

Ser Ile His Gly Cys  
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<210> 14  
<211> 21  
<212> PRT  
<213> Artificial

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<223> Consensus Sequence

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<221> X

<222> (9)..(13)

<223> X can be any amino acid.

<220>

<221> X

<222> (3)..(7)

<223> X is any amino acid.

<400> 14

Trp Glu Pro Xaa Xaa Xaa Xaa Arg Xaa Xaa Xaa Xaa Ser Ser  
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Ser Lys Tyr Gly Cys  
20

<210> 15

<211> 14

<212> PRT

<213> Amphotropic Murine Leukemia Virus

<400> 15

Glu Glu Trp Asp Pro Ser Asp Gln Glu Pro Tyr Val Gly Tyr  
1 5 10

<210> 16

<211> 13

<212> PRT

<213> Amphotropic Murine Leukemia Virus

<400> 16

Pro Trp Asp Thr Gly Cys Ser Lys Val Ala Cys Gly Pro  
1 5 10

<210> 17

<211> 29

<212> PRT

<213> Amphotropic Murine Leukemia Virus

<400> 17



<222> (39)..(53)

<223> N is any nucleotide.

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gtgggagaca cctgggaacc tnnnnnnnnn nnnnnnnagan nnnnnnnnnn nnnntctec 60

tcaaaatg ga

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<210> 21

<211> 17

<212> DNA

<213> Feline Leukemia Virus

<400> 21

ctctgtggac ccttggga 17

<210> 22

<211> 22

<212> DNA

<213> Feline Leukemia Virus

<400> 22

aggaggagtt ttatacctac at 22

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<211> 25

<212> PRT

<213> Homo sapiens-POSSOBL Y MODIFY

<220>

<221> X

<222> (4)..(6)

<223> X is any amino acid.

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<221> X

<222> (17)..(19)

<223> X is any amino acid.

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Xaa Xaa Xaa Ser Ser Lys Tyr Gly Cys  
20 25

<210> 24

<211> 25

<212> PRT

<213> Amphotropic Murine Leukemia Virus

<400> 24

Glu Glu Trp Asp Pro Ser Asp Gln Glu Pro Tyr Val Gly Tyr Gly Cys  
1 5 10 15

Lys Tyr Pro Ala Gly Arg Gln Arg Thr  
20 25

<210> 25

<211> 29

<212> PRT

<213> Amphotropic Murine Leukemia Virus

<400> 25

Pro Trp Asp Thr Gly Cys Ser Lys Val Ala Cys Gly Pro Cys Tyr Asp  
1 5 10 15

Leu Ser Lys Val Ser Asn Ser Phe Gln Gly Ala Thr Arg  
20 25

<210> 26

<211> 10

<212> PRT

<213> Homo sapiens

<400> 26

Ser Pro Tyr Ser Ser Asp Thr Thr Pro Ala  
1 5 10

<210> 27

<211> 23

<212> PRT

<213> Moloney Mink Cell Focus-Inducing Virus

<400> 27

Asp Leu Ile Gly Asp Asp Trp Asp Glu Thr Gly Leu Gly Cys Arg Thr  
1 5 10 15

Pro Gly Gly Arg Lys Arg Ala  
20

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